

Description

PW-707V tobacco smoke alarms provide battery powered smoke detection and voice alarm functions within a single unit.

The PW-707V range of tobacco smoke detectors have been specially designed to respond to the characteristics of tobacco smoke¹. Advanced electronics in conjunction with a photoelectric smoke sensing chamber, and three user-selectable sensitivity settings provide early detection and immunity against unwanted alarms.

PW-707V tobacco smoke alarms do not require a mains supply and are suitable for in dormitories, toilets, transport applications and the like.

The PW-707V range of tobacco smoke alarms provide building owners with an economical tobacco smoke detector, and assist in monitor smoking within a building to comply with contemporary non-smoking regulations and policies.



PW-707V Tobacco Smoke Alarm

Features

The PW-707V tobacco smoke alarms have available features to suit applications where smoking is not permitted.

- Three user-selectable sensitivity settings
- Voice alarm
- Test button verifies battery and alarm operation
- Surface-mount device (SMD) circuit board design
- Single DC 9 V user-replaceable battery
- High-performance MCU
- Advanced algorithm
- Voice warning message activated 10 s after alarm is triggered, repeated 4 times
- Automatic reset in 6 min after activation
- Manual reset by pressing Test button for 4 s
- 30 day low battery visual warning signal
- N/C or N/O alarm relay output available
- Remote LED indicator output available
- Easy installation
- Low maintenance

Ordering Information

	Remote LED Output	Alarm Relay Output
PW-707V	—	—
PW-707V-RM	✓	—
PW-707V-RL	—	✓

Specifications

	PW-707V PW-707V-RM	PW-707V-RL
Operating voltage	DC 9 V	
Standby indication	LED flash once every 45 s	
Alarm response threshold ^a	0.01 dB/m ~ 0.03 dB/m 0.03 dB/m ~ 0.05 dB/m 0.05 dB/m ~ 0.07 dB/m	
Alarm indication	LED steady on, and voice alarm activated in 10 s, voice alarm repeated 4 times	
Voice alarm sounder output	≥ 45 dB @ 3 m	
Voice warning message	<i>Smoking is prohibited in this area. Please extinguish cigarettes and only smoke in a designated location.</i>	
Alarm Relay	—	SPST. N/O or N/C. 1.0 A @ DC 30 V / 0.5 A @ AC 125 V
Fault indication	LED flash twice every 45 s	
Operating temperature	-5 °C ~ +40 °C	
Operating humidity	0 % ~ 95 % RH, non-condensing	
Storage temperature	-25 °C ~ +80 °C	
Storage humidity	0 % ~ 98 % RH, non-condensing	
IP rating	IP42	
Alarm indicator	Red LED	
Dimensions	Φ 105 mm × 50 mm	

^a User selectable